



PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete If Known	
Application Number	10/622,874
Filing Date	7/18/2003
First Named Inventor	Minano et al.
Art Unit	2875
Examiner Name	

Attorney Docket Number 3084.007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US appl. no. 10/289,479	10-11-2000	Bentley	
		US appl. no. 10/446,557	08-12-2003	Minano	
		US appl. no. 10/446,469	12-01-2000	Sut	
		US appl. no. 10/770,000	09-06-2004	Minano, et al	
		US appl. no. 10/770,050	02-12-2004	Bentley	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		CH 1000051 A1	01-07-1987	Sedgwick		
		EP 0450560 A2	10-09-1991	Totah, et al		
		WO 99/09349	02-25-1999	De Coma International Inc.		
		WO 99/13266	03-18-1999	Simon		
		WO 01/07828	02-01-2001	Pelka		
		WO 03/066374 A2	08-14-2003	Steen, et al		
		WO 03/066374 A3	08-14-2003	Steen		
		WO 04/007241 A2	01-22-2004	Steen, et al		

Examiner Signature

Date Considered

05/17/04

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Substitute for form 1449B/PTO				<i>Complete If Known</i>	
				Application Number	10/622,874
				Filing Date	7/18/2003
				First Named Inventor	Minano et al.
				Art Unit	2875
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	3084.007

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		Remillard, Everson and Weber, "Loss Mechanisms Optical Light Pipes" <i>Applied Optics</i> Vol 31 #34 pp. 7232-7241 December 1992.			
		Parkyn et al "The Black Hole™: Cusplated waveguide-Injectors and illuminators for LEDs; Part of the SPIE Conference on Nonimaging Optics: Maximum Efficiency Light Transfer V, Denver, CO, July 1999.			
		Hyper ARGUS®LED, Hyper-Bright, 3mm (T1) LED, Non Diffused; 3-1-2000; Infineon Technologies, pp. 1-9.			
		Spigulis, "Compact dielectric reflective elements, Half-sphere concentrators of radially emitted light" <i>Applied Optics</i> Vol. 33, No. 25, September 1994.			

Examiner Signature	Date Considered
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	ASYMMETRIC TIR LENSES PRODUCING OFF-AXIS BEAMS						
Application Number:	10/622874						
Confirmation Number:	2758						
First Named Applicant:	Juan Minano						
Attorney Docket Number:	3084.007						
Art Unit:	2875						
Search string:	(4675725 or 4920404 or 5577492 or 5613769 or 5655832 or 5924788 or 5926320 or 5966250 or 6273596 or 6560038 or 6578989 or 6603243 or 6616287 or 6637924 or 6639733 or 6646813).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	4675725	1987-06-23	Parkyn				
2	4920404	1990-04-24	Shrimali et al.				
3	5577492	1996-11-26	Parkyn et al.				
4	5613769	1997-03-25	Parkyn et al.				
5	5655832	1997-08-12	Pelka et al.				
6	5924788	1999-07-20	Parkyn				
7	5926320	1999-07-20	Parkyn et al.				
8	5966250	1999-10-12	Shimizu				
9	6273596	2001-08-14	Parkyn				
10	6560038	2003-05-06	Parkyn et al.				
11	6578989	2003-06-17	Osumi et al.				
12	6603243	2003-08-05	Parkyn et al.				
13	6616287	2003-09-09	Sekita et al.				
14	6637924	2003-10-28	Pelka et al.				
15	6639733	2003-10-28	Minano et al.				



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2003-11-11

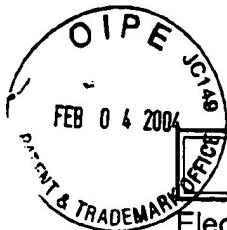
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Date

05/17/04



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Title of Invention	ASYMMETRIC TIR LENSES PRODUCING OFF-AXIS BEAMS
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Application Number: 10/622874



Confirmation Number: 2758

First Named Applicant: Juan Minano

Attorney Docket Number: 3084.007

Art Unit: 2875

Search string: (1977689 or 22549691 or 4192994 or 4342908
or 4698730 or 5140220 or 5302778 or 5335157
or 5404282 or 5452190 or 5608290 or 5757557
or 5777433 or 5806955 or 5813743 or 5894195
or 5894196 or 5897201 or 5898267 or 6030099
or 6044196 or 6048083 or 6166860 or 6177761
or 6181476 or 6450661 or 6473554 or 6536923
or 6547423 or 6582103 or 6598998 or 6607286
or 6647199 or 6674096 or 20020080623 or
20030076034).pn. .

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
[REDACTED]	1	1977689	1934-10-23	Muller			
[REDACTED]	2	22549691	1941-08-02	Harris			
[REDACTED]	3	4192994	1980-03-11	Kastner			
[REDACTED]	4	4342908	1982-08-03	Henningsen et al			
[REDACTED]	5	4698730	1987-10-06	Sakai et al			
[REDACTED]	6	5140220	1992-08-18	Hasegawa			
[REDACTED]	7	5302778	1994-04-12	Maurinus			
[REDACTED]	8	5335157	1994-08-02	Lyons			
[REDACTED]	9	5404282	1995-04-04	Klinke et al			
[REDACTED]	10	5452190	1995-09-19	Priesemuth			
[REDACTED]	11	5608290	1997-03-04	Hutchisson et al			
[REDACTED]	12	5757557	1998-05-26	Medvedev			

13	5777433	1998-07-07	Lester et al
14	5806955	1998-09-15	Parkyn Jr. et al
15	5813743	1998-09-29	Naka
16	5894195	1999-04-13	McDermott
17	5894196	1999-04-13	McDermott
18	5897201	1999-04-27	Simon
19	5898267	1999-04-27	McDermott
20	6030099	2000-02-29	McDermott
21	6044196	2000-03-28	Winston et al
22	6048083	2000-04-11	McDermott
23	6166860	2000-12-26	Medvedev et al
24	6177761	2001-01-23	Pelka
25	6181476	2001-01-30	Medvedev
26	6450661	2002-09-17	Okumura
27	6473554	2002-10-29	Pelka et al
28	6536923	2003-03-25	Merz
29	6547423	2003-04-15	Marshall et al
30	6582103	2003-06-24	Popovich et al
31	6598998	2003-07-29	West et al
32	6607286	2003-08-19	West et al
33	6647199	2003-11-11	Pelka et al
34	6674096	2004-01-06	Sommers

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020080623	2002-06-27	Pashley			
1	2	20030076034	2003-04-24	Marshall			

Signature

Examiner Name	Date
	05/17/04



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Title of Invention	ASYMMETRIC TIR LENSES PRODUCING OFF-AXIS BEAMS																																				
<p>Application Number: 10/622874 Confirmation Number: 2758 First Named Applicant: Juan Minano Attorney Docket Number: 3084.007 Art Unit: 2875 Search string: (4337759 or 5404869 or 5676453).pn.</p>																																					
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>1</td><td>4337759</td><td>1982-02-27</td><td>Popovich et al.</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>5404869</td><td>1995-04-11</td><td>Parkyn Jr. et al.</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>5676453</td><td>1997-10-14</td><td>Parkyn Jr. et al</td><td></td><td></td><td></td><td></td></tr></tbody></table>						init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	1	4337759	1982-02-27	Popovich et al.					2	5404869	1995-04-11	Parkyn Jr. et al.					3	5676453	1997-10-14	Parkyn Jr. et al				
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